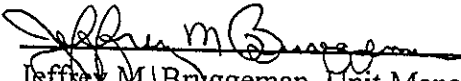


Meeting Minutes Transmittal

Unit Managers' Meeting
183-H Solar Evaporation Basins
Federal Building, Room 784-B
Richland, Washington

Meeting Held November 16, 1995
From 2 to 4 p.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers' Meeting.

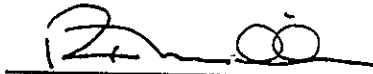

Jeffrey M. Bruggeman, Unit Manager, RL

DATE: 14 Feb 96


Robert E. Cordts, Unit Manager, Washington State Department of Ecology

DATE: 26 Feb 96

183-H Solar Evaporation Basins Closure, Contractor Concurrence:

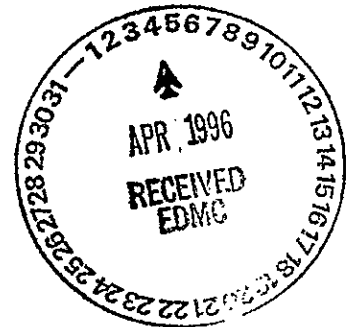

Contractor Representative, ERC

DATE: 14 Feb 96

Purpose: Discuss Permitting Process

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments / Agreements
- Attachment 3 - Attendance List
- Attachment 4 - Action Items



Attachment 1

**Unit Manager's Meeting
183-H Solar Evaporation Basins
Federal Building, Room 784-B
Richland, Washington**

**Meeting Held November 16, 1995
From 2 to 4 p.m.**

Agenda

1. Approval of Past UMM Minutes
 - The October 1995 UMM minutes are presented for approval.
2. Status Open Action Items
 - 01-26-95:4 Listed Waste Letter
 - 03-06-95:1 Residue Sampling
 - 06-22-95:2 Permit Conditions
 - 09-20-95:1 Chrome VI
 - 09-20-95:2 Cadmium
 - 10-05-95:1 EE/CA
3. Closure Activities / Planning
 - Schedule
 - Closure Strategy
 - Summary of open and resolved issues
4. New Business
5. Set Next Meeting Date

Attachment 2

**Unit Manager's Meeting
183-H Solar Evaporation Basins
Federal Building, Room 784-B
Richland, Washington**

**Meeting Held November 16, 1995
From 2 to 4 p.m.**

Summary of Discussion and Commitments / Agreements

1. The October UMM minutes were presented for approval by the Unit Managers.

2. Status Action Items

- 01-26-95:4 Listed Waste Letter

[The contained-in direction has been acted on and the waste re-characterized as low-level waste (LLW). This action item is closed.]

- 03-06-95:1 Residue Sampling

[Action has been taken subject to the contained-in. Residue has been re-characterized as LLW. This action item is closed.]

- 06-22-95:2 Permit Conditions

[No action at this time subject to clarification on cadmium and chromium.]

- 09-20-95:1 Chrome VI

[Bob Cordts informed the group that direction on chrome VI is forthcoming from Ecology. It will identify a 96-hour holding time at 4° with the 3060 A method for analysis.]

- 09-20-95:2 Cadmium

[A letter is forthcoming from Ecology which eliminates cadmium as a constituent of concern in the vadose zone. It will continue to be a constituent included in groundwater monitoring.]

- 10-05-95:1 EE/CA

[No action subject to clarification on cadmium and chromium.]

3. Status Closure Activities / Planning

- Schedule

[Rex Miller stated that upon receipt, chromium and cadmium direction will be incorporated into the soil sampling and analysis plan. The plan is submitted; approval is on the critical path for closure.]

- Closure strategy

No action.

- Summary of open and resolved issues.

4. New Business

No new business.

5. Set Next Meeting Date

[The next meeting was tentatively set for December 14, 1995.]

[illegible]

Attachment 4

**Unit Manager's Meeting
183-H Solar Evaporation Basins
Federal Building, Room 784-B
Richland, Washington**

**Meeting Held November 16, 1995
From 2 to 4 p.m.**

Open Action Items

<u>Action Item #</u>	<u>Description</u>
01-26-95:4	Listed Waste Letter. Ecology/EPA need concurrence.
03-06-95:1	ERC will investigate the vanadium levels.
06-22-95:2	Permit Conditions
09-20-95:1	Chrome VI. Samples every 2 ft at borehole 7; analysis to use the colormetric method. Ecology to review.
09-20-95:2	Cadmium. Possible demonstration method devised by Ecology to eliminate cadmium concerns.
10-05-95:1	EE/CA drafted proposing disposal of soil and concrete at the ERDF. RL will transmit the EE/CA to Ecology for review and comment.

Closed Action Items

<u>Action Item #</u>	<u>Description</u>
03-02-93:1	WHC will make a proposal for closure of the 183-H basins that will include a new closure date. As a result of contractor change, this action is conferred to ERC.
08-18-94:1	ERC will issue a letter requesting that the concrete be released from consideration as listed waste. Due September 1, 1994.

- 09-20-94:1 Ecology will evaluate debris rule compliance of 6 mm basin concrete removal with a fractional area of resistant aggregate protruding above the 6 mm level.
- This Action Item is CLOSED (November 1, 1994).
- 09-20-94:2 Ecology will provide means to produce a direct soil exposure nitrate cleanup level, assuming that the value calculated from WAC 173-340-740(3)(a)(ii) is unacceptable.
- B. Cordts to review and comment.
 - ERC to present alternatives for nitrate cleanup levels.
- 09-20-94:3 ERC will provide letter(s) addressing compliance with the Hanford Facility RCRA Permit conditions (V.1.B.g, V.1.B.j, and V.1.B.k).
- 09-20-94:4 Ecology will review the 183-H Data Evaluation Report.
- 12-15-94:1 Ecology: Are the statistics of WAC 173-340-740(7)(d) applicable to MTCA cleanup levels?
- 12-15-94:2 Ecology: Since the MTCA method B arsenic cleanup level is less than background, can we use the Method A Table, which is based on state background?
- B. Cordts to review and comments.
- 12-15-94:3 Ecology: Comment on existing stage of closure proposal, with particular focus on our recommendations for cleanup levels / strategy for constituents without MTCA method B cleanup levels.
- 12-15-94:4 ERC: Have staff toxicologist review the nitrate cleanup level produced by WAC 173-340-740(3)(a)(iii) and propose direct soil cleanup level and rational.
- 12-15-94:5 ERC: Finalize Data Evaluation Report and submit final by March 28, in order to satisfy the Hanford RCRA Permit condition V.I.B.g and V.I.B.j. Closed. See 09-20-94:3
- 12-15-94:6 ERC: Continue development of closure proposal.
- 12-15-94:7 ERC: Compare statistical guidance of Ecology, from Toxics Cleanup Program with our current MTCA-based method.
- B. Cordts to review and comment.
- 12-15-94:8 ERC: Make sure that our cleanup level / extent method is consistent with CERCLA.

01-26-95:1 Groundwater monitoring compliance. J. Badden/R. Miller
We are not presently in compliance with the permit. Working with Mary Hartman and Legal for immediate compliance and proposing a new monitoring plan.

01-26-95:2 Cleanup level for arsenic. B. Cordts to concur. Tracked through 12-15-94:2.

01-26-95:3 Cleanup strategy for operable units. N. Werdel to issue copies.

01-26-95:5 Disposal of basin rainwater. Concurrence of the listed waste letter. J. Badden is working with Dan Duncan for concurrence. Water has been analyzed and the data is being reviewed by ERC for recommendation.

06-22-95:1 Soil Cleanup Criteria
Criteria to establish the cleanup limits for the soil at the basins.

09-20-95:3 Contained-in Soils. Ecology is reviewing.

RESOLVED ISSUES

- An appropriate oral RFD for silver is 0.005 mg/(kg*day).
- The Debris Rule will be applied to 183-H basin concrete.
- It is appropriate to use the MTCA method A for cleanup level for lead.

OPEN ISSUES

- Action Items in Unit Managers Meeting minutes
- RCRA/CERCLA integration of soil closure activities
- Re-validation of vadose zone data
- Listed Waste Letter: Dangerous waste designation of concrete surface zone, and soil?
- Cleanup level for nitrate (pending, ERC)

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ADMINISTRATIVE RECORD: 183-H Solar Evaporation Basins Closure, T-1-4 [Care of EDMC, WHC (H6-08)]

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